

## PUBLIC NOTICE

**PERMIT APPLICATION:** NRS#06.279

**APPLICANT:** Parktrust Development  
ATTN: Rick Cantrell  
640 Broadmoore Street, Suite 100  
Murfreesboro, TN 37129

**LOCATION:** Unnamed tributaries to Mayes Creek  
Williamson County  
Lat/Long: approx. 35.9310°N/-86.7561°W

**WATERSHED DESCRIPTION:** The proposed project site is located off of Clovercroft Road in Franklin, Tennessee. The site area is approximately 140 acres. There are five streams (4 first-order and 1 second-order), one wet weather conveyance and two farm ponds that are impacted. Much of the area consists mowed fields. Flow in the streams is seasonal or low.

**PROJECT DESCRIPTION:** The applicant proposes the following impacts and mitigation to unnamed tributaries to Mayes Creek:

Watercourse	Status	Impacts	Mitigation	Credits	Ratio
1	Stream	Relocation of ~ 225' of channel to 250 ft. of channel		25	1:1
		Road crossing ~ 116' of 60" RCP added to existing 49'			
		Outfall from detention pond			
		Sewer line crossing			
		Walking bridge (span) ~ 10' wide			
		Restoring/enhancement of 418' of stream		209	2:1
		Remove existing pipe culvert and restore stream		12	1:1
2	WWC	3 water line crossings			
		3 sewer line crossings			
		Road crossing ~132 ft. 30" RCP			
		Road crossing ~122 ft. 36" RCP			
		Road crossing ~57 ft. 10'x4' 3-sided box			
3	Stream	2 sewer line crossings			
		Water line crossing			
		Road crossing ~79' 12'x4' 3-sided box			
		In-stream detention with 60' 48" CMP (added to exist. 31' of 58"x78" CMP for road crossing)	60		
4	Stream	Sewer line crossing			
		Water line crossing			
		Road crossing ~114' 6'x3' 3-sided box			
		Removal of existing pipe culvert and restore stream		15	1:1
5	Stream	Sewer line crossing			
		Water line crossing			
		Road crossing ~77' 6'x3' 3-sided box			
		2 outfalls			
		Enhance riparian zone of 235' of stream on both sides north of watercourse 3 with an average width of 50' on either side of top of bank. Area protected in perpetuity.		39	6:1
		Enhance riparian zone of 440' of stream on one side (not needed on other) with an average width of 50' from top of bank. Area to be protected in perpetuity.		36	12:1
6	Stream	3 sewer line crossings			
		3 water line crossings			
		Road crossing ~106' 8'x3' 3-sided box (Alt.II)	80		
		Road crossing ~84' 10'x4' 3-sided box (Alt.II)	63		

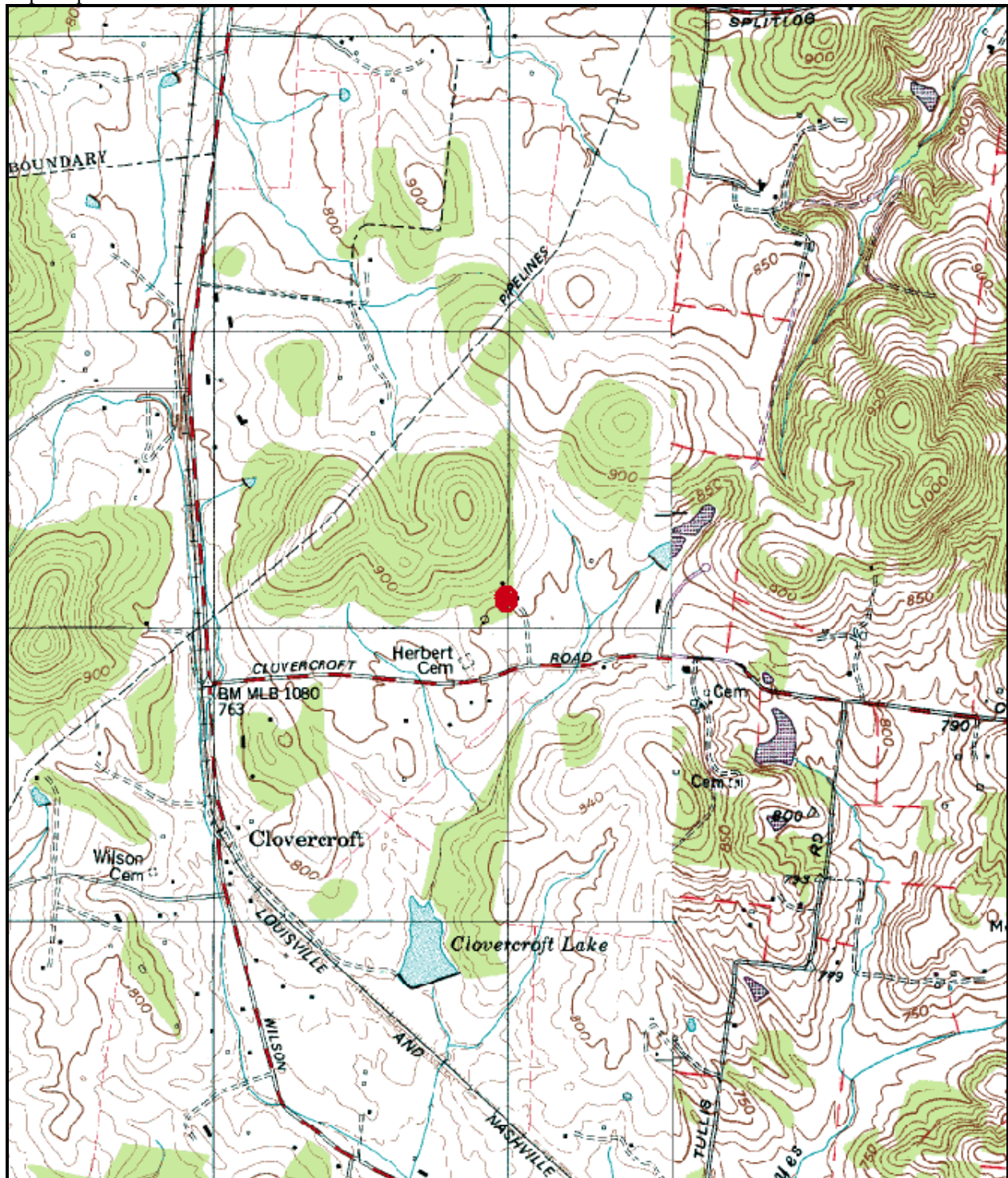
		Road crossing ~96' 10' x 4' 3-sided box (Alt.II)	72		
		5 storm water outfalls			
6	WWC	Water line crossing			
		Sewer line crossing			
		Road crossing ~130' 30" RCP			
		<b>TOTALS</b>	275	336	
		<b>EXCESS OF 61' OF MITIGATION</b>			

There will be no blasting for any stream crossings, nor within 25 feet of top of bank. Mitigation includes the restoration/enhancement of 418 feet of stream and removal of 12 feet of an existing farm road culvert, enhancement of 235 feet of riparian zone on watercourse 5 on both sides of stream with an average width of 50 feet from top of bank, enhancement of 440 feet of riparian zone on watercourse 5 (upstream of previously described enhancement) of on one side (not needed on other) with an average width of 50' from top of bank. Mitigation areas are to be protected in perpetuity. Stream restoration/enhancement includes riparian re-vegetation, vegetative bank stabilization, and placement of rock substrate and boulder clusters. Native plants will be used in riparian areas. Riparian revegetation in areas other than the relocation will mimic the vegetative areas in the relocation area. An in-stream detention basin is proposed on watercourse 3. Grading will be limited and such that contours are tied into the top of the stream bank to protect the streambed. An earthen berm will be placed at the lower end of the stream to provide detention storage during storm events. The base flow will be conveyed through a proposed culvert that will be an extension of the existing culvert (though smaller sized for detention). The detention basin will be vegetated with hydrophilic plants. **In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.**

**PERMIT COORDINATOR:** Kelly Morrison

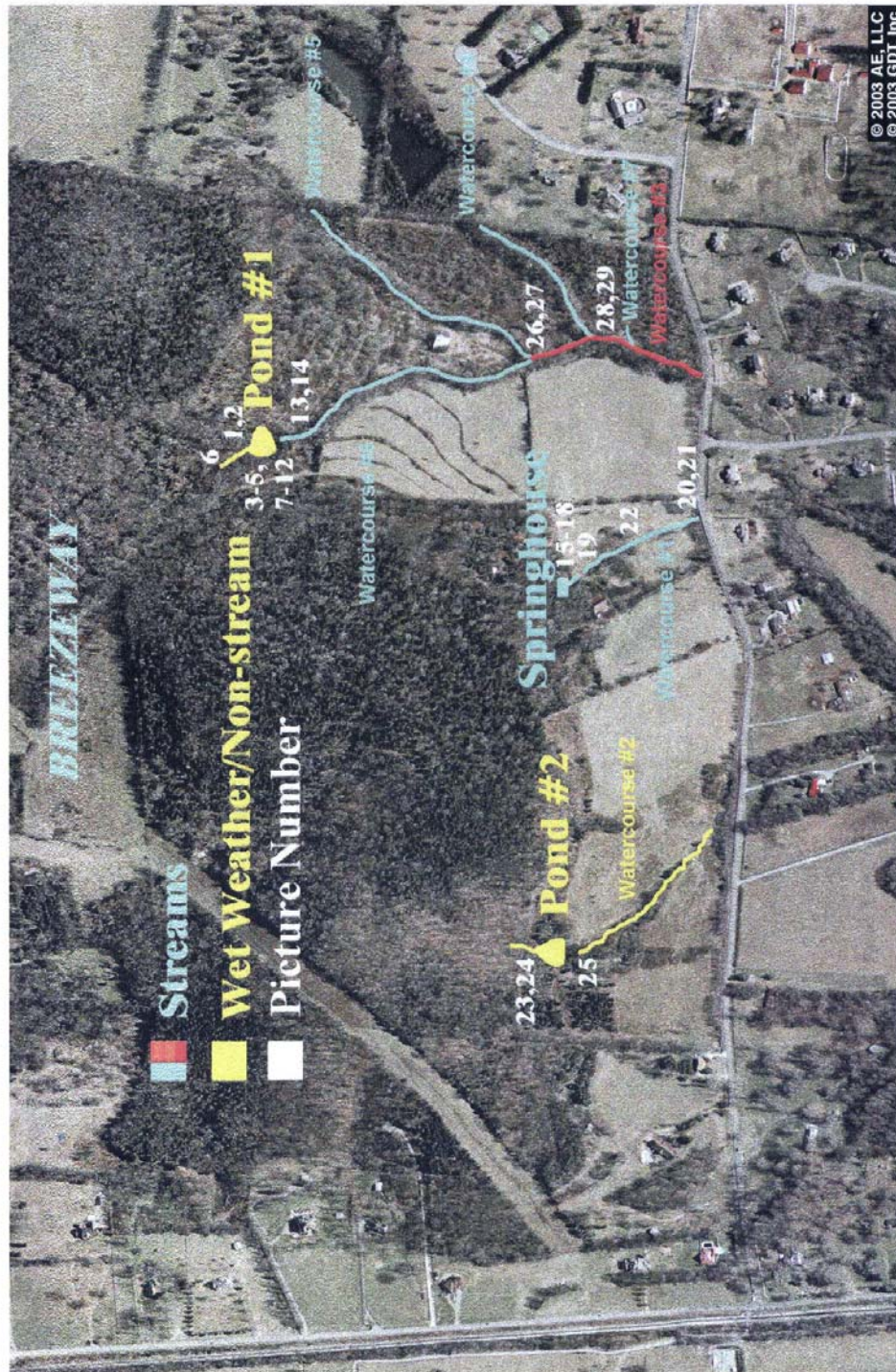
**USGS TOPOGRAPHIC QUADRANGLE:** Franklin Quad (63-NE)

Topomap

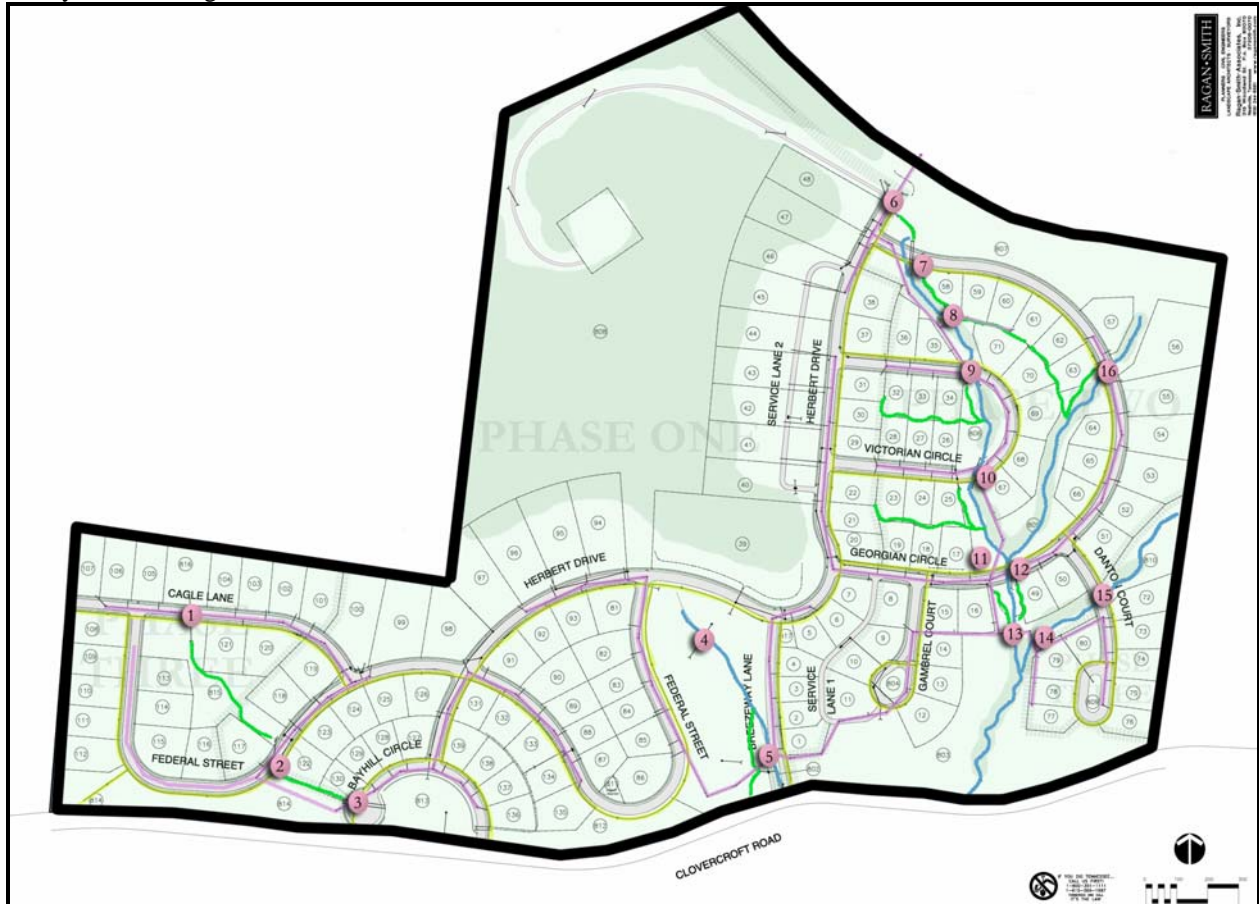




## Stream Determinations

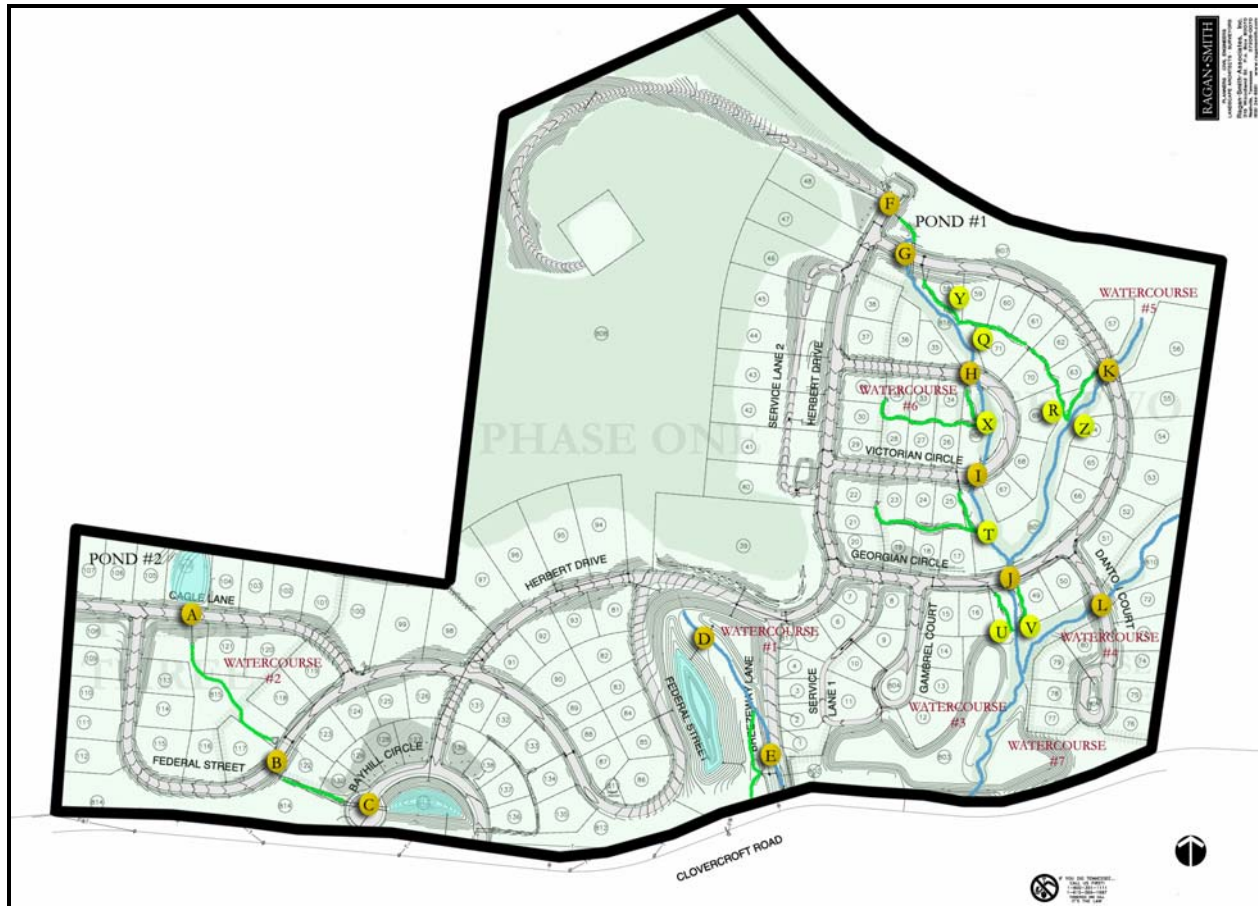


# Utility line crossings

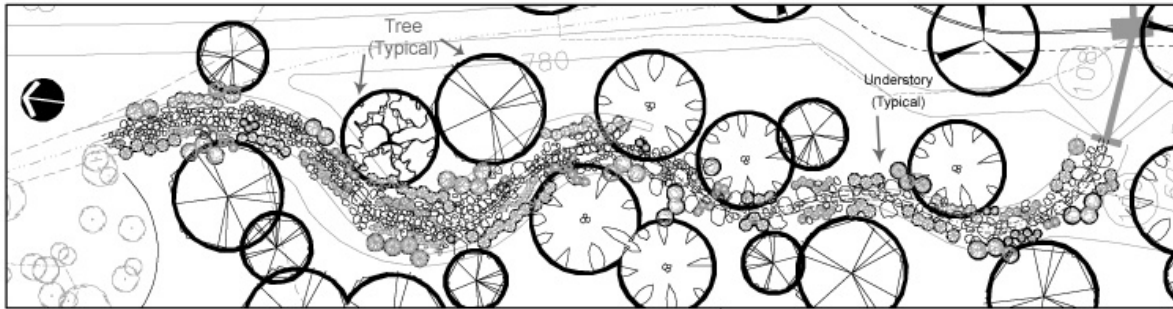




## Road Crossings and outfalls

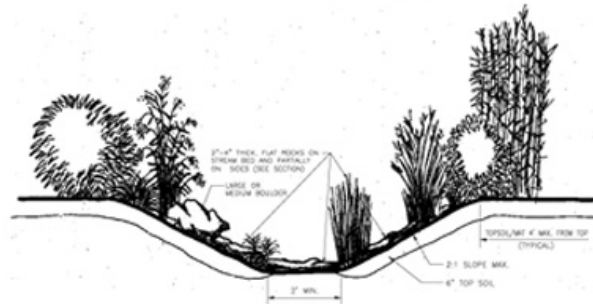


# Typical Stream Relocation and Buffer Zone Restoration Details



Plan View

Not to Scale



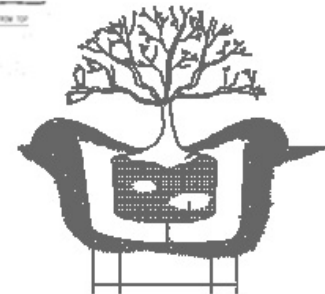
Cross Section of Understory

Not to Scale



Tree Planting Detail Typical of Canopy

Not to Scale



Shrub Planting Detail

Not to Scale